







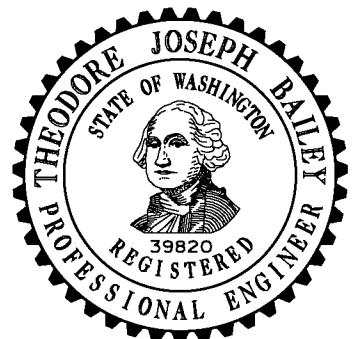


1. The Small Cable Vault shall be used in unpaved areas, and shall not be installed in the paved shoulders or traveled way. Use Small Cable Vault in sidewalks, walkways, and shared-use paths. Heavy Duty Cable Vault shall be used when installed in the paved shoulder or the traveled way.
2. The diamond pattern shall be a minimum of 3/32" (in) thick.
3. Small Cable Vaults installed in sidewalks, walkways, and shared-use paths shall have a slip-resistant coating on the lid and shall be installed with the surface flush with and matched to the grade of the sidewalk, walkway, and shared-use paths. The non-slip lid shall be identified with permanent marking on the underside indicating the type of surface treatment (see Contract Documents for details) and the year of manufacture. The permanent marking shall be 1/8" (in) line thickness formed with a stainless steel weld bead and shall be placed prior to hot-dip galvanizing.
4. A 1/4 - 20 UNC x 3/4" (IN) ground stud with two nuts and two flat washers shall be welded to each lid and coated with anti-seize compound. A 1/4 - 20 UNC x 3/4" (IN) ground stud with two nuts and three flat washers shall be welded to the frame and coated with anti-seize compound.
5. Connect a bonding jumper to the steel conduit bushing for RMC conduit and connect the steel conduit bushing jumper to the equipment ground at the hex coupling nut welded to the stainless steel channel. Connect the equipment grounding connectors in the PVC and/or RMC conduits to the hex coupling nut. The bonding jumper shall be #8 min. x 1' (ft) of tinned braided copper between the lid and the frame and shall be #8 min. x 4' (ft) of tinned braided copper from the frame to the hex coupling nut. See Contract Plans and **Standard Plan J-60.05** for bonding jumper requirements.
6. The system identification letters shall be 1/8" (in) line thickness formed by engraving, stamping, or with a stainless steel weld bead. See COVER MARKING DETAIL, **Standard Specification 9-29.2(4)**.
7. Cement concrete shall be Class 4000.
8. Capacity - conduit diameter = 40" (in).
9. Vault shall be installed on 6" (in) crushed surfacing pad in accordance with **Standard Specification 8-20.3(6)**.
10. Typical Small Cable Vault features and arrangement shown. Reinforcing not shown. Dimensions and arrangements will vary slightly by manufacturer ~ See Approved shop drawings.
12. Small Cable Vaults for WSDOT Projects shall only be installed with the lid frame bearing on the concrete portion of cable vault.
13. Location wire splice shall be molded splice enclosure or splice connector with terminal connection.

- * BOLTS, NUTS AND WASHERS ~
ASTM F593 OR A193,
TYPE 304 OR TYPE 316
STAINLESS STEEL (S.S.)

- | | |
|---|--|
|  | Equipment Grounding Conductor |
|  | Copper Solderless Crimp Connector |
|  | Equipment Bonding Jumper ~ See Note 5 |
|  | See Contract for Conduit Size and Number |
|  | Identified to contain future Fiber Optic Cable |
|  | RMC Shown ~ See Contract for Conduit Type |
|  | PVC Shown ~ See Contract for Conduit Type |
|  | Location Wire |

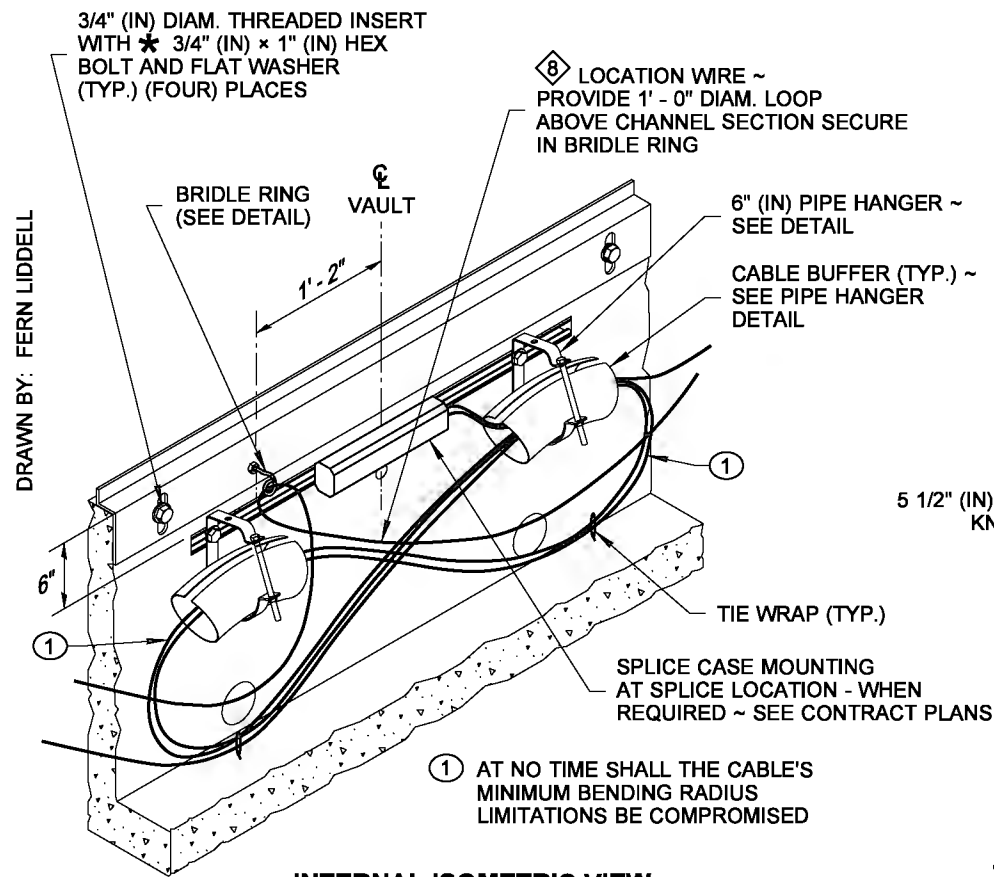


SHEET 1 OF 2 SHEETS

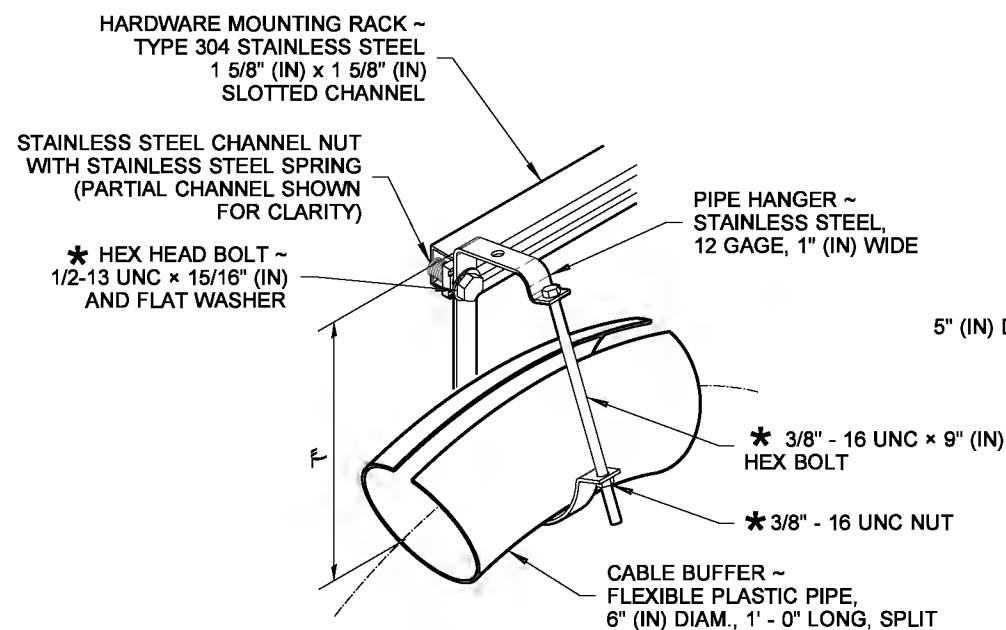
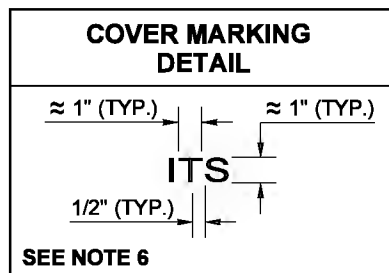
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STATE DESIGN ENGINEER

 Washington State Department of Transportation

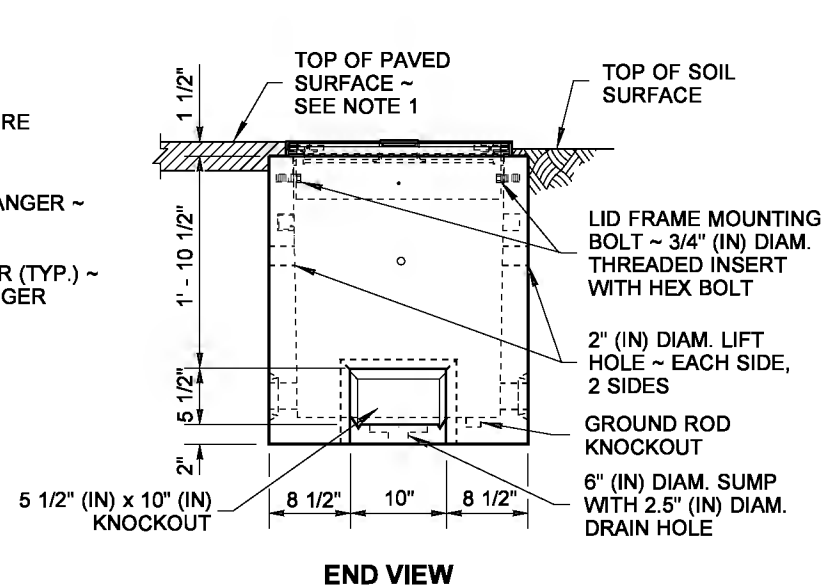


INTERNAL ISOMETRIC VIEW

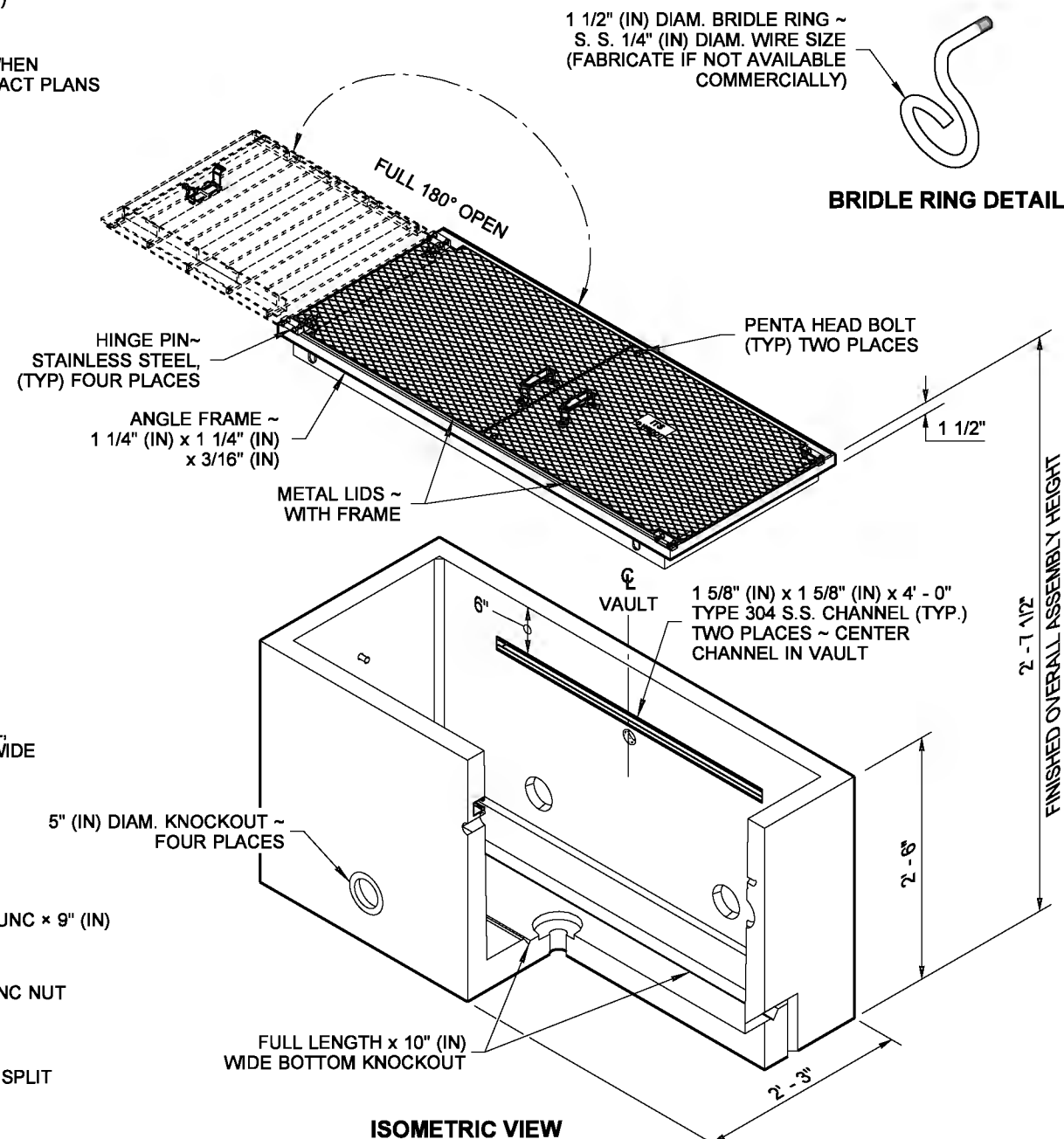


PIPE HANGER DETAIL

FABRICATE IF NOT AVAILABLE COMMERCIALY

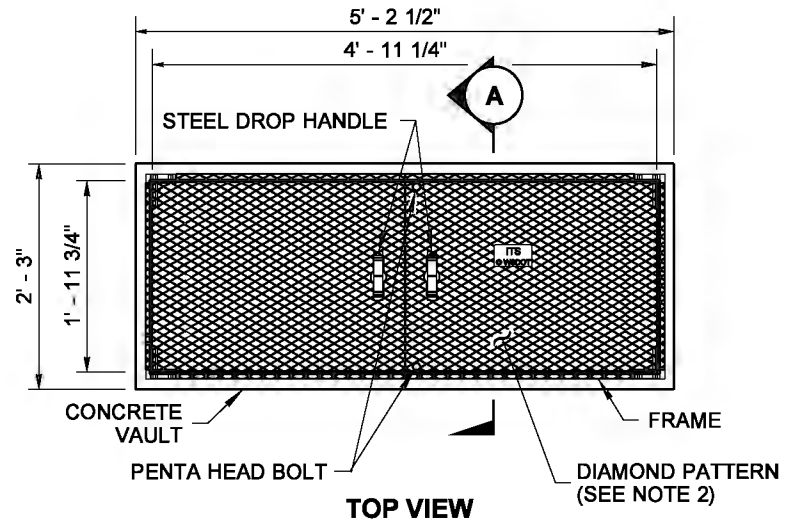


END VIEW

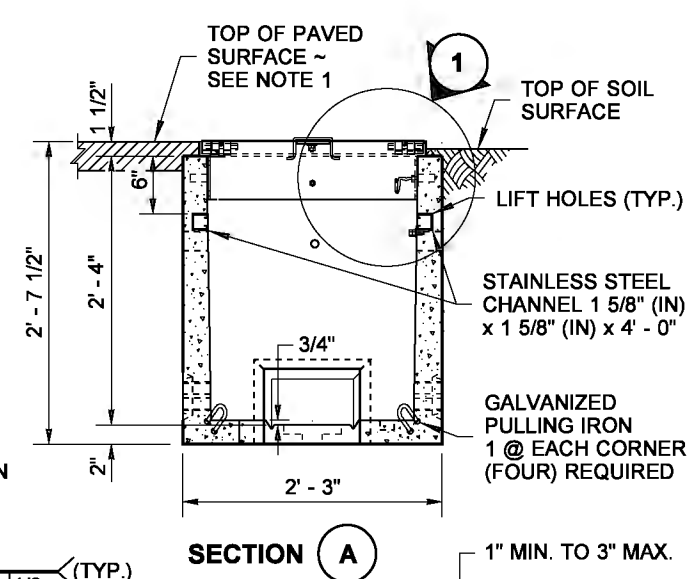


ISOMETRIC VIEW

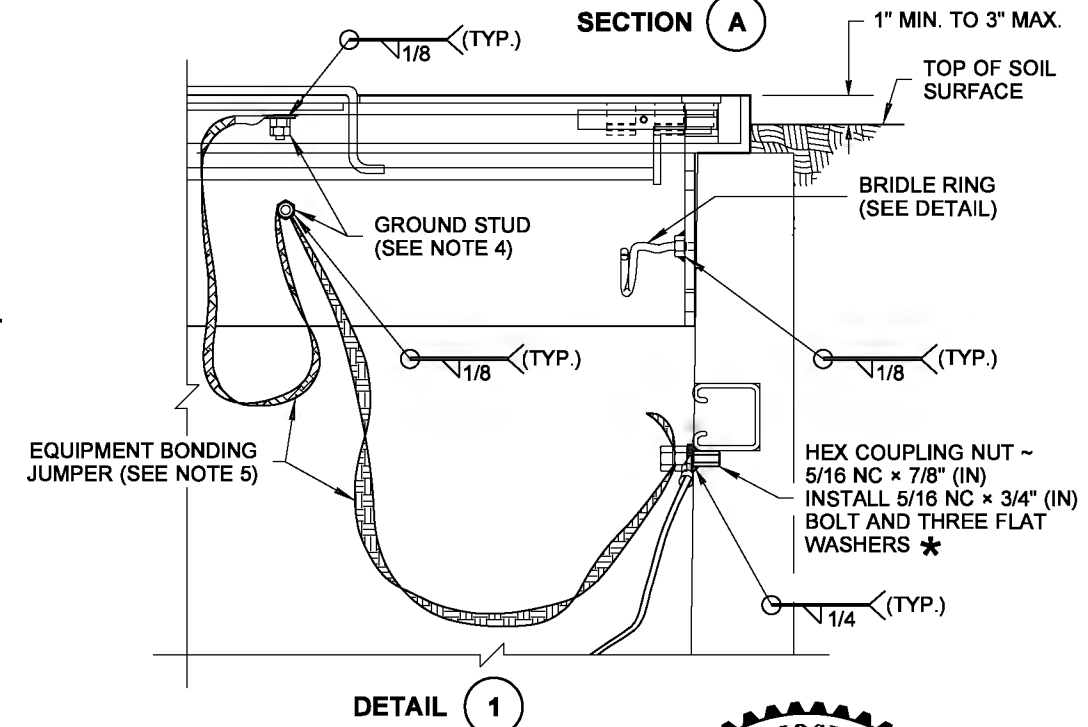
SEE ISOMETRIC CUTAWAY ASSEMBLY ~ SHEET 1, FOR DIMENSIONS NOT SHOWN



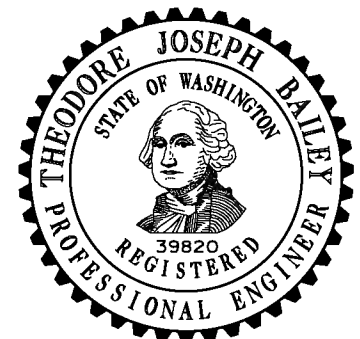
TOP VIEW



SECTION A



DETAIL 1



SMALL CABLE VAULT

STANDARD PLAN J-90.21-00

SHEET 2 OF 2 SHEETS

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